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BEFORE THE ARIZONA CORPORATION COMMISSION

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Arizona Corporation Commission
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AZ CORP COMMISSION

AZ CORP COMMISSION

IN THE MATTER OF THE
APPLICATION OF ARIZONAAMERICAN WATER COMPANY, AN
ARIZONA CORPORATION, FOR A
DETERMINATION OF THE CURRENT
FAIR VALUE OF ITS UTILITY PLANT
AND PROPERTY AND FOR INCREASES
IN ITS RATES AND CHARGES BASED
THEREON FOR UTILITY SERVICE BY
ITS SUN CITY WEST WATER AND
WASTEWATER DISTRICTS.

IN THE MATTER DISTRICTS.

IN THE MATTER OF THE
APPLICATION OF ARIZONAAMERICAN WATER COMPANY, INC.,
AN ARIZONA CORPORATION, FOR A
DETERMINATION OF THE CURRENT
FAIR VALUE OF ITS UTILITY PLANT
AND PROPERTY AND FOR INCREASES
IN ITS RATES AND CHARGES BASED
THEREON FOR UTILITY SERVICE BY
ITS SUN CITY WATER AND
WASTEWATER DISTRICTS.
IN THE MATTER OF THE

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APPLICATION OF ARIZONAAMERICAN WATER COMPANY, AN
ARIZONA CORPORATION, FOR A
DETERMINATION OF THE CURRENT
FAIR VALUE OF ITS UTILITY PLANT
AND PROPERTY AND FOR INCREASES
IN ITS RATES AND CHARGES BASED
THEREON FOR UTILITY SERVICE BY
ITS MOHAVE WATER AND HAVASU
WATER DISTRICTS.

Docket Nos. WS-01303A-02-0867 WS-01303A-02-0868 W-01303A-02-0869 WS-01303A-02-0870 W-01303A-02-0908

OPENING BRIEF OF INTERVENOR SUN HEALTH CORPORATION

IN THE MATTER OF THE APPLICATION OF ARIZONA-AMERICAN WATER COMPANY, AN ARIZONA CORPORATION, FOR A DETERMINATION OF THE CURRENT FAIR VALUE OF ITS UTILITY PLANT AND PROPERTY AND FOR INCREASES IN ITS RATES AND CHARGES BASED THEREON FOR UTILITY SERVICE BY ITS ANTHEM WATER, AGUA FRIA WATER AND ANTHEM/AGUA FRIA WASTEWATER DISTRICTS. IN THE MATTER OF THE APPLICATION OF ARIZONA-AMERICAN WATER COMPANY, AN ARIZONA CORPORATION FOR A DETERMINATION OF THE CURRENT FAIR VALUE OF ITS UTILITY PLANT AND PROPERTY AND FOR INCREASES IN ITS RATES AND CHARGES BASED THEREON FOR UTILITY SERVICE BY ITS TUBAC WATER DISTRICT.

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DESCRIPTION OF SUN HEALTH

Sun Health is a non-profit tax exempt corporation that operates a community health care network offering a full range of health and wellness services to residents of northwest Maricopa County, primarily in the communities of Sun City, Sun City West, Youngtown, El Mirage and Surprise. Sun Health owns and operates two acute care hospitals, a skilled nursing facility, an Alzheimer's facility, two hospice residences, a home health agency, a residence for developmentally disabled adults, four physician clinics, a research institute and a nursing school program. Sun Health operates two major hospital facilities - the Walter O. Boswell Memorial Hospital, a 343 licensed bed

¹ Sellner testimony, p. 2.

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³ Sellner testimony, p.3

hospital and the Del E. Webb Memorial Hospital, a 269 licensed bed facility.² In addition to the hospitals Sun Health provides a wide range of health services including home care services, an Alzheimer's residence, a hospice facility, personal care services, community education services and a senior center.³ As a non-profit organization, Sun Health primarily supports itself through contributions and a wide network of volunteers.⁴

SUMMARY OF SUN HEALTH'S POSITION

Sun Health intervened in this matter to address the sole issue of Staff's rate design. Staff is proposing a three-tiered inverted block structure with break over points at 4,000 gallons and 100,000 gallons. Staff is recommending this rate design as it believes it will "encourage planners to design growth to efficiently use water, to promote a reduction in the average use in the long term and to reduce the incremental cost of future growth consistent with its increasing cost."

As set forth in its testimony, Sun Health supports the goal of conservation, including the encouragement of conservation through pricing structures. But, Sun Health is concerned that Staff's rate design will not promote water conservation and will unfairly penalize commercial customers like Sun Health. It is Sun Health's understanding that the Applicant has proposed a compromise rate design that would encourage conservation, but Staff has been unable to complete its review and analysis of this proposal at this date. Sun Health respectfully requests that as part of the Commission's Order for this rate case,

² Sellner testimony, p. 3.

it adopt a rate structure along the lines of the Applicant's proposal which would include separate break over points for residential and commercial customers. A copy of the Applicant's proposal is attached. Sun Health takes no position on the revenue requirement aspects of this proposal, only on the rate structure. Sun Health also emphasizes that it has not been able to fully analyze applicant's proposed structure, and Sun Health reserves the right to supplement this response at such time as the analysis is complete.

ARGUMENT

1. Staff's Proposed Rate Design

Staff through its witness, Dennis Rogers, states that the purpose of its rate design is to recognize "the growing importance of managing water as a finite resource and its increasing cost." Staff goes on to state that the recommended rate design will encourage "planners to design growth to officially use water, to promote a reduction in average use in the long term, and to reduce the incremental cost of future growth consistent with its increase in cost." To accomplish these goals, Staff recommended a three-tiered inverted block rate structure with break over points at 4,000 gallons and at 100,000 gallons of use for each system across all meter sizes and all customer classes with the exclusion of customer/irrigation and fire protection customers.

⁴ Sellner testimony, p.5

⁵ Roger's direct testimony, p.5

⁶ Rogers direct testimony, p. 5.

⁷ Rogers direct testimony, p. 5.

2. Staff proposal will not result in conservation.

Staff's proposal will not encourage conservation because the break over points fail to account for the difference in consumption between residential and commercial customers. The Applicant's expert on rate design testified that it made no sense to have the same break over points applicable to all meters and customer classes. An effective rate conservation design would require Staff to look at bill counts for each customer class and the water usage patterns to determine the appropriate break over points. 9

Staff did not examine the bill counts or conduct any specific analysis to determine the break over points. In response to questions how the break over points were established, Staff witness Rodgers stated that "[I]t was discussed and thought that 4,000 seemed to be an appropriate level. It was just staff's professional judgment." Rodgers went on to say that no scientific papers were consulted in establishing the break over points. 11

Because the break over points are not based on usage they will not encourage water conservation. For example the 100,000 gallon break over point is too high to affect a residential customer's usage. This was illustrated by the Applicant's witness Kozoman "[I]n other words, for residential customers in Sun City, 100,000 gallons of water, unless they are raising rice in the back yard, there would be no need for 100,000 gallons of

⁸ Koozoman redirect page 443, December 8, 2003.

⁹ Kozman redirect page 443, December 8, 2003.

¹⁰ Rodgers cross page 1067, December 11, 2003.

¹¹ Rodger cross page 1071, December 11, 2003.

water."¹² While the break over point is too high to encourage conservation among residential customers, it is too low to encourage conservation among commercial customers. Sun Health's hospitals require millions of gallons of water each month. It is not possible for Sun Health to reduce its consumption below the 100,000 gallon break over point.

Staff's proposed structure is unsupported by any study. It will not result in conservation. Under Staff's proposal Sun Health, a non profit corporation will end up subsidizing customers and businesses that have lower water usage demands.

2. Sun Health Recommends the Commission Adopt a Rate Structure Along the Lines of the Applicant's Proposal, with Separate Break over Points for Commercial Customers.

Sun Health recommends the Commission adopt a rate structure along the lines of Applicant's proposal which includes separate break over points for residential and commercial customers and which encourages conservation.

Staff agreed that it is possible to design a rate structure with separate break over points for different customer classes and meter sizes that would encourage conservation.¹³ One of the reasons Staff did not propose such a structure is because of a lack of time and resources.¹⁴ If Sun City or Sun City West had come in by itself, Staff's proposal would

¹² Kozoman redirect, page 444, December 8, 2003.

¹³ Rodgers cross page 1120, December 11, 2003.

¹⁴ Id.

have taken into account meter size when establishing the break over points.¹⁵ Staff further testified that one of the reasons for establishing "the 4 and 100,000 gallon limits was to energize the company to come along and make a counter—analysis, counter proposal."¹⁶

3. Conclusion

An effective conservation rate requires an analysis of customer usage by meter size and customer class. Staff failed to conduct such an analysis in this case because it lacked the time and resources. The Applicant and Staff agree that a rate design based on customer class and meter size can promote conservation. Sun Health recommends the Commission adopt a rate structure along the lines of the Applicant's proposal which will promote conservation in a fair and equitable manner.

RESPECTFULLY SUBMITTED this 4th day of February, 2004.

JENNINGS, STROUSS & SALMON, P.L.C.

The Collier Center, 11th Floor

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¹⁵ Rodgers cross page 1107, December 11, 2003.

¹⁶ Id.

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TO:

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FROM:

ARIZONA-AMERICAN WATER COMPANY

RE:

DOCKET NOS.

WS-01303A-02-0867;

WS-01303A-02-0868; W-01303A-02-0869; WS-01303A-02-0870; W-01303A-02-0908

DATE:

JANUARY 23, 2003

Attached is an explanation of Arizona-American Water Company's proposed conservation-oriented rate design and schedules for each water district illustrating how this rate design would work, based on the water company's rejoinder revenue requirement.

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Timothy Sabo (via hand delivery)

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1504661.1/73244.034

ARIZONA-AMERICAN WATER COMPANY Docket Nos. W-01303A-02-0867, et al.

Proposed Conservation-Oriented Rate Design

Arizona-American Water Company ("Arizona-American" or "the Company") has developed a conservation-oriented rate structure involving the use of inverted-block rates. This rate design, discussed below, is similar to the inverted-block rate structure proposed by Staff. However, in contrast to Staff's proposal, different rate structures are proposed for residential and commercial/industrial customers. Under this approach, rates can be better designed to encourage large-volume customers within each class to reduce their water usage. The break-over points and rate blocks within each class are set to reflect the usage characteristics of that class, as explained below.

In contrast, the inverted-block rate design proposed by Staff would apply to all customers regardless of the water district, customer type and meter size, and would have little impact on residential customers (the primary water user served by Arizona-American). Under Staff's proposal, a substantial portion of the revenue requirement would be shifted to customers on larger-sized meters without regard to their cost of service or conservation potential. This would be inequitable to those customers. Moreover, it would ignore the bulk of the Company's customers.

Attached are schedules prepared by the Company's rate design witness, Ronald L. Kozoman, illustrating the rate design that would be implemented for each water district (Agua Fria, Anthem, Sun City, Sun City West, Mohave, Havasu and Tubac). In order to develop these rates, the Company has used the revenue requirement for each water district based on the Company's rejoinder filing. Obviously, the specific monthly minimums and commodity rates shown in the schedules would change if different revenue requirements are authorized by the Commission. However, the Company believes the approach described below is reasonable and

will agree to its implementation in this case. The Company reserves the right to seek modifications to this rate design in a subsequent rate case.

A. Monthly Minimum Charges.

The monthly minimum charges for all customer classes are determined by meter size and are based on 65% of the monthly minimum charges computed in the cost of service studies prepared by Mr. Kozoman, which are attached to Mr. Kozoman's Rebuttal Testimony (Exhibit A-62). It is important to keep in mind that these monthly minimum charges are based on *Staff's* original cost rate base, accumulated depreciation and expense levels. For this reason, the monthly minimum charges in the attached schedules are arguably understated. Hopefully, this conservative approach will avoid any disagreements. Except as discussed below, no gallons of water are included in the monthly minimum charges, i.e., there is no "free" water.

For the Mohave and Havasu water districts, the monthly minimum charge for multifamily residential customers (e.g., apartment complexes and mobile home parks) is based on the computed monthly minimum charge for a 5/8-inch meter multiplied by the number of units in the complex. Similarly, in those water districts, monthly minimum charges for multi-unit commercial customers (e.g., strip shopping centers) are based on the monthly minimum charge for a 5/8-inch meter multiplied by the number of units in the complex. In addition, for all multifamily residential and multi-unit commercial customers, 1,000 gallons of water will continue to be included in the monthly minimum charge. The total gallons included in each customer's minimum monthly billing will be equal to 1,000 gallons multiplied by the number of units.

B. Inverted-Block Commodity Rates.

1. Development of Break-Over Points and Water Use Tiers.

All residential customers will have a three-tier inverted-block commodity rate. The break-over point between the three tiers will be set at approximately 33% and 67% of the

consolidation factor. The same break-over point will apply to all residential customers, regardless of meter size. This will address (among other things) the problem in the Anthem water district, where some residential customers are required to have 1-inch meters for interior fire sprinklers, regardless of their normal water use. Each water district will have its own set of break-over points based on that district's test year water use characteristics. The break-over points for each water district are shown on the attached schedules.

All non-residential general metered customers¹ will have a two-tier inverted-block commodity rate. In contrast to residential customers, the break-over points for these customers will vary based on meter size, again with each water district having its own set of break-over points based on its customers' water use characteristics. The break-over points are based on 60% of the relevant consolidation factor for each meter size. (If there are no customers being served by a particular sized meter, the Company has used the next size smaller meter size tier, divided by the gallons per minute flow and multiplied by the gallons per minute flow of the meter size tier being computed.) This results in a more equitable rate design, as opposed to treating commercial customers on 3/4-inch and 1-inch meters the same as commercial customers on 4-inch and 6-inch meters.

Multi-family residential customers in the Mohave and Havasu water systems have a three-tier inverted-block commodity rate. The break-over points for these customers is based on the consolidation factors for the residential customer class of each district, multiplied by the number of families served in an individually metered complex. Multi-unit commercial customers in the Mohave district have a two-tier inverted-block commodity rate. The break-over

¹ Multi-family residential (Mohave and Havasu districts) and multi-unit commercial customers (Mohave district) are excluded from non-residential general metered customers and are treated differently, as explained below.

point for these customers is based on the consolidation factor for the 5/8-inch commercial meter multiplied by the number of units served.

2. Development of Commodity Rates.

For residential customers, the commodity rate applicable to all gallons in the first (lowest) tier would be equal to 70% of the base rate.² The commodity rate applicable to usage in the second (middle) tier is equal to 120% of the base rate, while the commodity rate applicable to usage in the third (highest) tier is equal to 180% of the base rate. Specific commodity rates have been computed for each residential tier for each water district, based on the Company's rejoinder revenue requirement, as shown in the attached schedules.

For all non-residential general metered customers, the commodity rate applicable to all usage in the first (lower) tier is equal to 120% of the base rate. The commodity rate for usage in the second (upper) tier is equal to 180% of the base rate. Again, specific commodity rates have been computed for each tier for each water district, as shown in the attached schedules. However, as discussed above, while the commodity rates for the first and second tiers will be uniform for each district, the break-over points vary for non-residential general metered customers by meter size.³

For multi-family residential customers in the Mohave and Havasu systems, the commodity rates will be equal to 70% of the base rate in the first tier, 120% in the second tier, and 180% of the base rate in the third tier. For the multi-unit commercial customers in the

The base rate is the commodity rate that produces the Company's rejoinder revenue requirement, using the computed residential and commercial tiers and percentage of the base rate.

For Sun City and Mohave only, the break-over points were computed for the customer class as a whole, rather than by meter size. The break-over point for the irrigation customer class in Sun City was also computed as a class rather than by meter size.

Mohave system, the commodity rates will be equal to 120% in the first tier, and 180% in the third tier.

C. Other Customer Classes.

Special classes of customers, such as customers purchasing water from the Company for resale and construction uses, will pay a monthly minimum charge based on the size of the meter from which the water is provided. Additionally, these customers will pay a commodity rate based on 180% of the base rate.

D. Other Rate Design Issues.

In order to simplify rate design issues and eliminate disputes, Arizona-American is not proposing a low-income or "lifeline" tariff in this case. It is not clear that a special, discounted rate for customers who meet an appropriate eligibility requirement is necessary in this case, particularly given that all water in the first commodity rate block for residential customers will be priced at only 70% of the base rate, i.e., below cost.

In addition, Arizona-American is not proposing any adjustment to revenues based on the impact of the inverted-block rate design on customer water usage, nor is the Company proposing the implementation of a balancing account or other mechanism that would allow recovery of the difference between the actual revenue collected under the inverted-block rate design and the amount that would have been collected under a uniform commodity rate design. As stated, Arizona-American reserves the right to request modifications to this rate design, as well as an adjustment to test-year revenues and/or the establishment of a balancing account, in a future rate proceeding.

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Arizona American - Agua Fria Water Division Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates

Page 1

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Final	Figure Street S	Street S				328.90	423.47	65.00%	0	4,000	10,000	10,001	0.998	1.711	2.567				
Titler 1 Present Rate \$ 1.78	Tight Tigh	Tier 1 Present Rate \$ 1.78 (c) (d)				1.092.39	710.05	65.00%	0	4,000	10,000	10,001	0.998	1.(1	7:20				
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8 Inch Public Interruptible 3.50% Zero Contract Rate \$ 1.00 \$.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	8 Inch Public Interruptible 3.50% Zero Contract Rate \$ 1.00 \$ 0.37% Zero Contract Rate \$ 2.00 \$ 248,933 263,823 \$ 4 Inch Prison 200.00 5.95% 200.00 \$ 248,933 263,823	8 Inch Public Interruptible 3.50% Zero Contract Rate \$ 1.00 \$.0.37% Zero Contract Rate \$ 2.00 \$.0.37% Zero Contract Rate \$ 2.00 \$.0.37% \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,823 \$ 263,8	_	ch Public Interruptible	13.78%	•	7007		Contract Ra	ate			\$			878.		,	
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\$2.142	4 Inch Prison 200.00 5,95% 200.00 5,95% 200.00	\$2.142 \$248,933 205,623 4 Inch Prison 200.00 5.95% 200.00 5.95% 200.00 5.95% Totals Water Sales 700.00% 200.00 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000 200.000		nch Public Interruptible	0.37%		287												F 08%
4 inch Prison 200.00 5.95%	-								٠				\$2.142			248,933			2
		•	•			ام	7000												

38 (a) Computed Monthly Minimums are from Cost of Service Study in Re
39 (b) Percent of Computed Monthly Minimum
40 (c) Tiers set at percent of consolidation factor. Percent amount above
41 (d) Percent of "Computed Charge per 1,000 gallons" on Line 12.
42 (e) All construction Water, sales for resale & non-general metered cusing the computed for 4 inch Commercial Meter computed by dividing meter for 3 (1) Ther computed to 4 inch Commercial Meter computed by dividing meter for the computed of the computed by dividing meter for the computed of the compute

(c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
 (d) Percent of "Computed Charge per 1,000 gallons" on Line 12.
 (e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.
 (i) The computed for 4 inch Commercial Meter computed by dividing meter flow from of 3 inch of 320 gpm multiplied by 500 gpm. For 8 inch meter flow divided meter flow from of 3 inch of 320 gpm multiplied by 500 gpm.

Arizona American - Agua Fria Water Division Test Year Ended December 31, 2001

Proposed Rates

Rate Schedule Summary Three Tier Rates Page 2

123,492		Present			Proposed					•		Denoced	i	Derment
Minimums	Line	Monthly			Monthly						Present	Description of		Increases
1200 12,540 12,544 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124 124	ġ	Minimums		~	Vinimums						Bolleyan	OOO V		1 00%
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5,040 5,090 50 339,961 339,961 - 6,183,467 6,306,959 123,492	2 6 Inch Private Fire				45.45			٠			02,4,21	1 000 u		200.5
339,961 339,961 - 6,183,467 6,306,959 123,492	3 8 Inch Private Fire				90.60						0.040 0.040	OSO'C		3
339,961 339,961 - 6,183,467 6,306,959 123,492	4 10 inch Private Fin	•			121.20			•						
339,961 339,961 - 6,183,467 6,306,959 123,492	5 12 inch Private Fin				181.80									
6,183,467 6,306,959 123,492	9										200 064	220.064	,	%000
6,183,467 6,306,959 123,492	7 Miscellaneous	Revenues									108,800	108,800		2000
185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,407 0,500 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,400 185,	80										100 104	0 306 9		2 00%
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12 Rate of Return at Present Rates From Cost of Service Study (Using ACC Staff Plant & Expenses) 13 14 15 Meter Size 56" x 3/4" 1" 11/2" 2" 3" 4" 6" 12.67% 16 Rate of Return at Present Rates: 17 9.03% 12.03% 17.68% 55.13% 48.11% 39.22% 70.20% 12.67% 19 19	10		,							•				
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16 Rate of Return at Present Rates: 17 9.03% 12.03% 17.68% 55.13% 48.11% 39.22% 70.20% 12.67% 18 18		5/8" x 3/4"	3/4	-	1 1/2"	8	3.	**	.0					
17 9.03% 12.03% 17.68% 55.13% 48.11% 39.22% 10.20% 12.01% 18 19 19 19 19 19 19 19 19 19 19 19 19 19		n at Present Rates:		!				, acc	/02-9/01					
18 19	17	8:03%	12.03%	17.68%	55.13%	48.11%	39.22%	70.20%	12.0 <i>/</i> %					
19	2													
	9		,	•			40,4		. Dient and Expensi					

⁽a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which (b) Percent of Computed Monthly Minimum

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 ⁽c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
 (d) Percent of "Computed Charge per 1,000 gallons" on Line 12, Page 2.
 (e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.
 (i) Ther computed for 4 inch commercial Meter computed by dividing mater flow from of 3 inch of 320 gpm. For 8 inch meter, 6 inch meter flow divided by 1,000 gpm multiplied by 1,500 gpm.

Arizona American - Agua Fria Water Division

Analysis of Revenue by Detailed Class, at Average Usage Test Year Ended December 31, 2001 Rate Schedule Summary Three Tier Rates Bill Comparison

		Number of					
	Customer	<u>Customers</u>		Reve	nues	Proposed 1	increase
Line	Classification	at	Average	Present	Proposed	Dollar	Percent
No.	and/or Meter Size	<u>12/31/01</u>	Consumption	<u>Rates</u>	Rates	<u>Amount</u>	<u>Amount</u>
1	5/8 Inch Residential	11,197	7,002	\$ 22.46	\$ 22.89	0.42	1.89%
2	3/4 Inch Residential	87	10,027	33.78	32.27	(1.51)	-4.48%
3	1 Inch Residential	542	17,634	60.82	60.15	(0.67)	-1.09%
4	1.5 Inch Residential	23	102,940	279.90	300.03	20.13	7.19%
5	2 Inch Residential	58	175,037	468.40	510.20	41.80	8.92%
6	3 Inch Residential	0	15,667	186.41	159.62	(26.79)	-14.37%
7	4 Inch Residential	-	-	-	_	-	0.00%
8	6 Inch Residential	-	-	-	-	-	0.00%
9	5/8 Inch Commercial	20	4,561	18.12	21.56	3.45	19.02%
10	3/4 Inch Commercial	8	14,989	44.90	43.59	(1.31)	-2.92%
11	1 Inch Commercial	36	22,823	72.44	65.35	(7.09)	-9.79%
12	1.5 Inch Commercial	31	89,393	249.56	202.20	(47.36)	-18.98%
13	2 Inch Commercial	84	125,151	356.66	286.42	(70.23)	-19.69%
14	3 Inch Commercial	52	188,454	573.46	453.27	(120.19)	-20.96%
15	4 Inch Commercial	-	-	-	-	-	0.00%
16	6 Inch Commercial	3	1,816,455	4,465.18	3,531.42	(933.75)	-20.91%
17	8 Inch Commercial	-	-	-	-	_	0.00%
18	2 Inch Public Interruptible	0	-	•	-	-	0.00%
19	3 Inch Public Interruptible	0	1,612,667	1,612.67	1,612.67	-	0.00%
20	4 Inch Public Interruptible	-	-	•	-	-	0.00%
21	6 Inch Public Interruptible	3	8,319,765	8,319.76	8,319.76	-	0.00%
22	8 Inch Public Interruptible	3	1,995,250	1,995.25	1,995.25	-	0.00%
23	10 Inch Public Interruptible	1	755,400	755.40	755.40	-	0.00%
24	4 Inch Prison	1	10,170,500	20,744.41	21,985.21	1,240.80	5.98%
25	Construction	-	-	-	-	-	0.00%
26	4 Inch Private Fire	. 7	-	30.00	30.30	0.30	1.00%
27	6 Inch Private Fire	20	-	45.00	45.45	0.45	1.00%
28	8 Inch Private Fire	6	. •	60.00	60.60	0.60	1.00%
29			-				
30							
31	Totals	12,182	=				
32			_				
33	Actual Year End Number	•					

34 of Customers:

35

13,004

^{36 (}a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.

Test Year Ended December 31, 2001 Arizona American - Anthem Water Proposed Rates

Rate Schedule Summary

Three Tier Rates

Page 1

(818) 18,426 9,417 380 (1,609) ncrease 2,788 706,316 758,361 3,214 59,613 Proposed Revenue 3,606 687,890 748,944 2,834 61,222 Present Revenue Three Rate 1.688 1.688 1.688 1.688 1.688 1.688 1.688 1.688 -0.21% 1.125 1.125 1.125 1.125 1.125 Tier Days 0.656 0.656 0.656 0.656 0.656 Rate P Ter 20% C 智智 电影声 Percent Increase over Present Rates Tier Three Break-10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 Two Break-Point 10,000 10,000 10,000 10,000 10,000 10,000 10,000 Per Preservent Point (c)
33.00%
Ther
One
Break4,000
4,000
4,000
4,000
4,000
4,000
4,000
4,000
4,000 One Break-Point Included Included Minimum <u>__</u> Computed Minimums Percent of Computed 64.99% 65.00% 65.00% 65.00% 65.00% 65.00% 65.00% 65.00% Monthly Monthly Minimums \$ 16.13 24.20 40.33 80.67 3,998,026 3,998,031 129.06 258.13 403.33 806.66 290.66 \$ 0.93750 Proposed Monthly Proposed Monthly \$ 24.82 37.23 62.05 Computed Computed Minimums 124.10 198.56 Monthly 1,241.02 397.13 620.51 Monthly Œ Computed Charge per 1,000 gallons of Water Computed Revenues, from Proposed Rates 0.25% 38.06% 28.57% 0.07% 6.56% 0.00% of Water Percent Percent of Water Sales Rejoinder Revenue Requirement 16.00 32.00 64.00 80.00 160.00 200.00 Present Monthly Minimums Present Monthly Ainimums Tier 1 Present Rate Tier 2 Present Rate Residential 1 1/2 Inch 3/4 Inch 5/8 Inch <u> 1</u> 라라 2 Inch 3 Inch 6 Inch 4 Inch 8 Inch 967

(a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses. Cost of Service Study modified to include Payment in Lieu of Revenues from Del Webb, which was offset against all functions.

(8,953)(13,144)

4,534 40,682 23,382 101,106 39,063

3,706 53,466 32,335 114,250 39,029

1.688 1.688 1.688 1.688

1.125 1.125 1.125 1.125 1.125

5,332,501

Minimum

Minimums

Minimums

Sales

Commercial

3/4 Inch 5/8 Inch

1 Inch

\$ 24.82

0.08%

64.99% 65.00%

Minimums \$ 16.13 24.20 40.33 80.67

37.23

62.05 124.10

5.51% 2.17% 9.59% 5.64%

16.00 16.00 32.00 64.00 160.00

1/2 Inch

2 Inch

3 Inch

1.688 1.688

4,892,501 235,001 221,001

4,892,500

65.00% 65.00%

129.06 258.13

198.56 397.13

235,000 221,000 5,332,500

65.00% 65.00% 65.00%

7,644,532 15,289,064

24,462,50

24,462,500

15,289,063 7,644,531

65.00%

403.33 806.66 ,290.66

,241.02

4 Inch (1) 6 Inch (1) 8 Inch (1)

620.51

(12,783)

(b) Percent of Computed Monthly Minimum

(c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor

(d) Percent of "Computed Charge per 1,000 gallons" on Line 12.

(1) 4, 6, & 8 Inch Commercial Meter Tiers computed as 3 Inch tier divided by 320 gpm, multiplied by 500, 1000, & 1,600 gpm respectively. (e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.

Arizona American - Anthem Water Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates Page 2

1,37% 2ero 2ero 2ero 2ero 2ero 2ero 61 61 61 61 61 61 61 6		2	Present Monthly Minimums	Proposed Monthly Minimums	-0121	- ker One Rate	Two Rate	Present Revenue	Proposed Revenue	Dollar Increase	
Fire Protection (Flat Rates) 70.00 69.80 3,330 3,321 19,440 19,296 135.00 134.00 180.00 176.59 aneous Revenues 4,006.400 357.50 4,006.406 3,998,0397 4,006.406 3,998,0397 4,006.406 3,998,0397 (8	Wholesale, 2 Inch Meter Wholesale, 3 Inch Meter Wholesale, 6 Inch Meter Wholesale, 10 Inch Meter Wholesale, 10 Inch Meter Citizens Resources (Treatoo) Citizens Resources (Treatoo) Totals Water Sales	1.37% 0.01% 2.13% Revenue Annu	Zero Zero Zero zero alizzdon	Zero Zero Zero		8. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	2.156 2.156 3.156 3.156	57,190 61 20,135 226,872 (18,289)	57,190 61 20,135 226,872 (18,289)		
360.00 357.50 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,960,387 1,	Private Fire Protection 3 Inch 4 Inch 6 Inch 6 Inch	(Flat Rates)	·	69.80 89.75 134.00				3,330	3,321 19,296	(9) (144)	
	o inch 10 Inch Miscellaneous Revenu Total Revenues	SS S	360.00	357.50			, "	1,950,387	1,950,387	(8,377)	

•			1	-					
N	Wholesale, 3 inch Meter	0.01%	097	297					
က	Wholesale, 6 inch Meter	2.13%	Zero	Ze ro					
4	Wholesale, 10 Inch Metar		٠						
ß	Citzens Resources (Treatco)		•					,	
9	Citizens Resources (Treatco) Revenue Annualization	evenue Annua	lization						
~	Totals Water Sales	100.00%							
00									
O									
9	Private Fire Protection (Flat Rates)	Flat Rates)							
Ŧ	3 Inch		20.00	69.80					
7	4 Inch		90.06 0.06	89.75					
<u> </u>	8 Inch		135.00	134.00					
4	8 inch		180.00	178.59					
5	10 Inch		360.00	357.50					
9	Miscellaneous Revenues	w							
4	Total Revenues								
\$								•	
6	Rate of Return at Present Rates From Cost of Service Study (Using ACC Staff Plant & Expenses)	ent Rates F	rom Cost o	of Service St	udy (Usin	a ACC Staff	Plant & Expe	inses)	
8						:	;	;	
77	Meter Size>	rQ.	5/8" × 3/4"	3/4.	H	112	И	id.	
ដ	Rate of Return at Present Rates:	nt Rates:)	•
						200			۱

히

-3.64%

32.29%

21.46%

38.58%

9.15%

7.16%

16.50%

(a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses. Cost of Service Study modified to include Payment in Lieu of Revenues from Del Webb, which was offset against all functions.

(b) Percent of Computed Monthly Minimum

(c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.

(d) Percent of "Computed Charge per 1,000 gallons" on Line 12, Page 1.

(e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum. (1) 4, 6, & 8 inch Commercial Meter Tiers computed as 3 inch tier divided by 320 gpm, multiplied by 500, 1000, & 1,500 gpm respectivley. 28828288

Arizona American - Anthem Water

(Formerly Known as Citizens Water Services / Water)
Analysis of Revenue by Detailed Class at Average Usage
Test Year Ended December 31, 2001

Rate Schedule Summary Three Tier Rates Bill Comparison

(a) Average Number of

			Average					
			Number of					
		ustomer	Customers			nues	Proposed	
Line		ssification	at	Average	Present	Proposed	Dollar	Percent
No.	and/o	r Meter Size	12/31/01	Consumption	Rates	Rates	<u>Amount</u>	<u>Amount</u>
1	5/8 Inch	Residential	8	10,212	\$ 36.42	\$ 25.86	(10.56)	-29.00%
2	3/4 Inch	Residential	1,642	7,753	31.51	31.05	(0.46)	-1.46%
3	1 Inch	Residential	1,096	8,719	49.44	48.26	(1.18)	-2.38%
4	1.5 Inch	Residential	3	7,361	78.72	87.08	8.35	10.61%
- 5	2 Inch	Residential	13	168,705	417.41	406.33	(11.08)	-2.65%
6	3 Inch	Residential						
7	4 Inch	Residential						
8								
9	3/4 Inch	Commercial	7	3,727	23.45	28.39	4.94	21.06%
10	1 Inch	Commercial	17	107,951	247.90	161.78	(86.13)	-34.74%
11	1.5 Inch	Commercial	3	263,879	591.76	393.79	(197.97)	-33.45%
12	2 inch	Commercial	25	130,084	340.17	275.41	(64.76)	-19.04%
13	3 Inch	Commercial	9	201,964	563.93	485.34	(78.59)	-13.94%
14								
15								
16	2 Inch	Wholesale						
17	3 Inch	Wholesale	0	1,103,200	2,382.91	2,382.91		0.00%
18	6 Inch	Wholesale	1	2,364	5.11	5.11	-	0.00%
19	10 Inch	Wholesale	1	776,818	1,677.93	1,677.93	-	0.00%
20								
21	4 Inch	Fire Protection			90.00	89.75	(0.25)	-0.28%
22	6 Inch	Fire Protection	12	-	135.00	134.00	(1.00)	-0.74%
23					•			
24			•					
25				_				
26		<u>.</u>						
27		Totals	2,841					
28								
29		Actual Year En						
30		of Customers	: 3,222					
				· ·				

^{32 (}a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.

Arizona American - Havasu Water Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary

Three Tier Rates Page 1

ant 50%	Percent Change 28.48% 42.66% 74.27% 35.75% 71.46%
Percent Increase 31.50%	•
Dollar increase 82,418	Dollar Increase 4,699 2,758 2,372 9,006 2,730
Proposed Revenue 344,046 0	Proposed Revenue 21,195 9,225 5,566 34,200 6,550
Present Revenue 261,628	Present Revenue 16,496 6,466 3,194 25,194 3,820
(d) 180% Tier Tier Three \$ 2.148 2.148 2.148 2.148 2.148 2.148 2.148	
(d) 120% Tier Tier Two Rate \$ 1.432 1.432 1.432 1.432 1.432 1.432 1.432 1.432 1.432 1.432	180% Ther Ther Ther Rate 2.148 2.148 2.148 2.148
(d) 70% 70% Tier One Rate \$ 0.835 0.835 0.835 0.835 0.835	120% Tier One Rate 1.432 1.432 1.432 1.432 1.432
Tier Three Break- Point 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001	,
ase of Prese (c) 67.00% Tier Two Break- Point 10.000 10.000 10.000 10.000 10.000 10.000	Tier Two Break- Point 32,001 53,001 126,001 1534,501 1,534,501 7,672,505
(c) (c) 33.00% 67.00% Ther Tier Tier Tier One I'wo Ihree Break- Break- Break- Break- Break- Broon 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 3,000 10,000 10,000 3,000 10,000 10,000 10,000 10,000 3,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	(c) 60.00% Tier One Break- Point 32,000 63,000 126,000 55,000 1,534,500 1,534,500 1,534,500 7,795,313
Pallons Included Included Included In Minimum 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Gallons Included In Minimum 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(b) Percent of Computed Monthly Minimums 65.00% 65.00% 65.00% 65.00% 65.00%	(b) Computed Monthly Minimums 65.01% 65.00% 65.00% 65.00% 60.00%
(a) Computed Proposed Monthly Monthly Minimums Minimums \$ 22.03 \$ 14.32 41.34 26.87 73.53 47.80 112.16 72.91 202.30 131.49 331.06 215.19 652.97 424.43	\$ 1.1935 \$ 1.42 \$ 1.31 Minimums \$ 14.32 26.87 47.80 72.91 131.49 215.19
(a) Computed Monthly Minimums \$ 22.03 \$ 112.16 202.30 331.06 652.97	(a) Computed Monthly Minimums \$ 22.03 41.34 73.53 112.16 202.30 331.06 662.97
nt posed Rate Sales Sales 60.67% 0.00% 0.61% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	
Requireme ss, from Pro Present Monthly Minimums \$ 10.00 \$ 17.10 \$ 24.00 \$ 33.60 \$ 57.60 \$ 57.60 \$ 500.00 \$ \$ 400.00	Present Monthly Minimums \$ 17.10 \$ 33.60 \$ \$ 500.00 \$ \$ 500.00 \$ \$ 500.00 \$ \$ \$ 500.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Computed Revenue Requirement	Present Rates, Summer All Gallons Present Rates, Winter All Gallons Present Rate, Winter All Gallons Present Percent C Monthly of Water I Monthly of Water I Monthly of Water I 100h 1 \$ 24.00 1.36% 11.21 inch (1) \$ 24.00 1.36% 1.36% 1.00h 1.36% 1.
Rejoing No.	5

(a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staffs Plant and Expenses.

(b) Percent of Computed Monthly Minimum
 (c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
 (d) Percent of "Computed Charge per 1,000 gallons" on Line 12.

(e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.

(f) For Multi-family, consolidation factors are the residential consolidation factors at 33% & 67% multiplied by families served.

(f) For Multi-family, consolidation factors are the residential consolidation factors at 33% & 67% multiplied by 100 gpm, respectively.

Proposed Dollar Revenue increase 8,980 1,776 9,289 1,548 11,157 1,751 13,559 1,570 15,174 1,736 16,158 3,308 20,386 4,212 24,075 5,077 24,075 5,077 569,791 1,830
(d) Flore Times Tak 2.148 2.148 7.7203 2.148 7.7741 2.148 11,990 2.148 12,850 2.148 16,174 2.148 16,174 441,506
(d) (d) 120% 180% The The Two Three Rate Rate 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14 1.432 2.14
(d) ZO% ZO% ZO% ZO% ZO% ZO% ZO% ZOM
67.00% Tier Tier Tier Tier Two Three Break- Edini 440,000 640,000 640,001 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,000 650,
(c) (f) 33.00% 67.00% 33.00% 17er Ther Ther Ther Ther Tier Done Ther Tier Done Ther Ther Tier Ther Tier Ther Ther Ther Ther Ther Ther Ther Th
Gallons Included Stations Included Station In Br
(b) Percent of Computed Monthly Monthly S. Minimus 65.01% 65.01% 65.01% 65.01% 65.01% 1.
(a) Monthly Monthly Minimums Minimums 22.03 \$ 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32 22.03 14.32
Percent Com of Water Mo Sales Mini 1.17% 0.86% 1.153% 1.18% 2.23% 1.25% 1.41% count Revenues enues enues int Rates From int Rates From
(e) (f) 33.00% 67.00 Line

Rate Schedule Summary Three Tier Rates

Arizona American - Havasu Water Test Year Ended December 31, 2001

Proposed Rates

Page 2

Analysis of Revenue by Detailed Class at Average Usage
Test Year Ended December 31, 2001
Going from Summer & Winter Commdity Rate to Year Round Rate Arizona American - Havasu Water

Rate Schedule Summary Three Tier Rates Bill Comparison

		(B)										
		Average Number of			Summer	ner			Winter	je		
		S South		Reventes		Proposed Increase	Increase	Revenues	unes	Proposed Increase	Increase	
	Customer	te de la constant	Average	Procent	Proposed		Percent	Present	Proposed	Dollar	Percent	
¥ :		10,101	Congraption	Dates	Rahes	Amount	Amount	Rates	Rates	Amount	Amount	
夕.	٠.	1002	7 650	10 46	23.50	4	20.77%	\$ 18.72	\$ 23.50	4.77	25.49%	
-	5/8 Inch Kesidential	700'-	800'	24.5	20.07	140.05	, CO E CO C	724 64	1 240 67	470 16	A2 92%	
~	1 Inch Residential	0	569,250	824.02	1,240.67	410.00	30.30%	0.10	1,440.0	2	× 10:30	
က	1.5 Inch Residential						è	20.00	700	474 40	7050 05	
4	2 Inch Residential	_	166,833	269.08	422.32	153.23	26.82%	40.00	466.36	04.1	8,00.00	
· (C	3 Inch Residential	ı	. •	45.60	131.49	85.89	188.36%	45.60	131.49	85.89	188.36%	
ø	4 Inch Residential	4	291,500	470.11	832,38	362.27	4.06%	438.16	832.38	394.23	89.97%	
~	6 Inch Residential					,				6	700	
00	5/8 Inch Commercial	33	22,384	40.37	46.37	6.01	14.89%	38.01	46.37	8.30	21.88%	
0	4 Inch Commercial	IC.	68,625	113.13	129.17	16.04	14.18%	105.69	129.17	23.48	22.22%	
• 5	2 Josh Commercial		76.793	141.23	198.48	57.26	40.54%	132.89	198.48	62.59	49.36%	
2 ;		. ~	489.810	739 71	832.90	93.19	12.60%	685.94	832.90	146.96	21.42%	
= \$		+ +	192,833	330.00	537.75	207.74	62.95%	308.90	537.75	228.85	74.08%	
<u>y</u>		•										
<u> </u>	6 Inch Confinencial	*	160.250	80 F OR	744 01	138.94	22.96%	592.29	744.01	151.73	25.62%	
4	_	- ,	147 047	847.00	774 10	126 18	19 47%	641 11	774.10	132.99	20.74%	
ŧ	-	-	718,711	26.750	0.4.10	150.03	12 1294	829 40	056 23	126.82	15.29%	
16	_	~	208,583	845.31	820.23	26.011	13.12%	716.40	900.20	42.02	40.49%	
17	Multi-Family 65 2"	•	161,083	786.44	918.73	132.29	10.82%	10.01	810.73	144.00	7 1 200	
9	Multi-Family 67 4"	-	305,250	1,008.32	1,125.48	117.16	11.62%	982.11	1,125.48	143.37	14.00%	
6		-	256,000	1,127.14	1,287.55	160.41	14.23%	1,108.77	1,287.55	1/8//8	15.12%	
2	_	-	134,167	1,065.68	1,342.66	276.98	25.99%	1,062.14	1,342.66	280.52	26.41%	
7		•	170,500	1,348.93	1,698.75	349.82	25.93%	1,344.37	1,698.75	354.39	26.36%	
8	_		192,000	1,585.38	2,006.27	420.89	26.55%	1,581.09	2,006.27	425.18	26.89%	
g												
24												
25	Totals	1,138										
28												
27	Actual Year End Number											
83	of Customers:	1,189										

29
30 (a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.
31
32

Arizona / American Mohave Water Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates Page 1

Daioinder Reve	Ooioinder Revenue Requirement			4.536.491	6			Percent Increase over Present Rates	ease over	Present Ra	tes		3.21%			
Computed Rev	Committed Revenues, from Proposed Rates	osed Rates		4.535,179	62		છ	<u> </u>								
a penduo							33.00%	%00 <u>79</u>	i	<u>ල</u> දි	e ĝ	€ §				
			Æ		:		je ,	ا <u>چ</u>	₫ ;	4	14V2					
Line	Present	Percent	Computed	_	8	Ĕ	g ;	9		<u> </u>	Ē ,		Draeant	Proposed	Dollar	Percent
Ŋ	Monthly	of Water	Monthly	Monthly			Break.	Greak-	Break-				Contraction	Dovod	Increase	Increase
1 Residential	ial Minimums	Sales	Minimums		2	Minimum	E C	Point				4	Develue	2 770 379	72 247	268%
2 5/8 Inch	\$ 8.65	61.88%	\$ 16.38	\$ 10.65			4 00,4	12,000	12,001			1.744	2,080,132	40.259	1 850	004%
3 1 Inch	15.00	0.42%	49	19.07	07 65.00%	0	4,000,	12,000	12,001	0.678	1.163	4.7	10,090	10,330	600	0.01
		0.00	6	33.10	10 64.99%	•	4,000,	12,000	12,001	0.678	-183 -	1.744	. !			900
7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -		0.43%	49	49.95		0	4,000		12,001	0.678	1.163	1.74	13,257	13,705	44 9	3.38%
	Confidential Mith. Family	:	•	į			33.00%	%00Z9	Residential	Consolidat	ion Factors	times num	(Residential Consolidation Factors times number of families served.)	s served.)		,
		4 60%	C 18 38	£ 10.65	65 65 02%	1.000	4.000	12,000	12,001	\$ 0.678		\$ 1.744	92,538	93,540	1,002	1.08%
2 00 4 Inch (4)	>	0.87%	.			-	4,000	12,000	12,001	0.678	1.163	1.74	44,945	44,926	(1 8)	0.04%
		20.0		10.65		_	4.000	12,000	12,001	0.678	1.163	1.744	15,946	17,760	1,813	11.37%
3.98 1 1/2 lich (1)	2	20.10%	,	10.03		•	4.000	12,000	12,001	0.678	1.163	1.744	234,403	242,100	7,697	3.28%
4.80 Z INCH (1)		2000	> •	10.65		•	000.4	12,000	12,001	0.678	1.163	1.744	17,645	18,818	1,172	6.64%
5.80 4 IIIGI (1)		0.00	,	10.05		1,000	4 000	12,000	12,001	0.678	1.163	1.744	152,270	158,400	6,129	4.03%
	9	Z 77.7	•	₹			33.00%	67 00%	•							
	Ko water Kesideniai	7	•	40 07	, ec 0.30,		8	12 000	12.001	0.678	\$ 1.163	\$ 1.744	83,249	82,678	(571)	%69.0
	67.7	2.15%	•	<u>.</u>		-	200	12 000		0.678	153		314	384	2	22.33%
_	7.75	0.00%		70.6L			3 6	12,000		0.0.0	1 163	1 744	286	737	451	158.08%
11 2 Inch	7.75	0.00%	76.84	49.95	95 65.01%	2	9,00	2,000	17,001	0.0	3	:	}	; •		
12 Commercial								700		9	7747	•	427 E44	136 382	8 867	6.95%
13 5/8 Inch	\$ 8.65	3.57%	₩	s,			31,000	1,001	•		***		03 750	08.400	4 657	76.7
14 1 Inch	15.00	2.66%		19.07			37,000	27.00		3.5	1		30,706	20,455	720	2 53%
15 1 1/2 Inch		0.94%		33.10		0	112,000	112,001		201.1	4		20,020	280 851	23.586	6.44%
16 2 Inch	30.00	11.66%		49.95		0	148,000	148,001		. 1	1.744		200,200	203,001	2000	F 22%
	00'09	1.61%	_	89.25	25 65.00%	0	487,000	487,001		1.163	1.744		E X	666, 76	7,033	0.44.0
18 4 Inch (2)																
20 8 Inch (2																
21 10 Inch (2	2								L	Ç		retel the	Times Minnh	or of Unite Se	(beva	
22 Commen	Commercial Multi-Unit						2000	Consolida	tion Factor			ciai Melei,		Consolidation Factor Itom 2/8 incl Commercial Meter, Thirds It views of 196	4	%000
23 5/8 Inch (1)	(1) \$ 8.65	0.34%	\$ 16.38	S		•	3,000	100,15	••	31.1	\$::		26,02	2,440	383	11 86%
24 1 Inch (1)	8.65	0.04%	\$ 29.34	₽		1,000	31,000	31,001		1.163	4		2,030	276.0	376)	10 40%
25 11/2 Inch (1)	(1) 8.65	0.09%	\$ 50.93	10.65		•	31,000	31,001		1.163	4		810'7 711'0	40.00	(573)	7 00%
		0.23%	49	5	10.65 65.02%	•	31,000	31,001		1.163	1.744		5,041	0,0	(070)	9/66.7-
28 Computed	Computed Charge Per 1,000 Gallons of Water	Gallons of W	/ater	\$ 0.96900	8											
						. '					•					
30 Present	Present Charge Per 1,000 Gallons of Water	Gallons of	Water	~	1.48	Mohave System	stem									
31 Present	Present Charge Per 1,000 Gallons of Water	Gallons of	Water		1.75	Rio System	_									
	Special Plant and Expanses		•		1.4.4.4	r coode lotte	the mead	ACC Staff's	Plant and F	XDADSAS						
33 (a) Com	uted Monthly Min	imums are	For Cost	of Service	Study III Ken	mai phiase, v	TOPE TOPE			APG 1500.						

^{8 4 8 8 8 8 8}

⁽a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses.
(b) Percent of Computed Monthly Minimums.
(c) There set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
(d) Percent of "Computed Charge per 1,000 gallons" on Line 12.
(e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.
(1) Monthly Minimum for S/8 inch Meter multiplied by number of units served.
(1) Monthly Minimum for S/8 inch Meter multiplied by number of units served.
(2) Tiers for 4, 6, 8 & 10 Commercial Inch meters computed as tier from 2 inch Commercial meter divided by 160 gpm multiplied by 500, 1,000, 1,500 & 2,300 gpm, respectively.

Arizona / American Mohave Water Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates Page 2

		d.	o tuendo	(a) Computed	Proceed	(b) Percent of Gallons Computed Included	Gallons Included	(c) Tier One	(c) Two	ਜ' '	(b) 120% Ther	(b)					
. E		Monthly		Monthly	Monthly	Monthly Minimums	in Minimum	Break- Point	Break- Point	.		Rate and	<u>е</u> <u>«</u>	Present P	Proposed Revenue li	Dollar Fincrease Ir	Percent Increase
결 -	Public Authority		•		-		•		700 207	•	1 163 6	1744	1	`	_	407	9.14%
۰ م	5/8 Inch.	\$ 8.65		*	\$ 10.65	65.02%	0	467,000	467,001	•		1.744		5,153	4,856	(298)	-5.78%
, w	1 inch	15.00	0.15%	29.34	19.07	65.00%	> <	467,000	467.001		1.163	1.744		3,877	3,924	4	1.20%
4	1 1/2 Inch	25.00	0.10%	50.93	33.10	85.45 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	> <	467,000	467 001		1.163	1.744		60,154	61,402	1,249	2.08%
2	2 Inch	30.00	1.89%	76.84	49.95	\$10.09 \$10.09	> <	467,000	467.001		1.163	1.744		15,446	15,844	86 S	2.57%
ဖ	3 Inch	60.00	0.57%	137.31	89.25	80.00	> <	467,000	467.001		1.163	1.744		19,694	20,889	8 9	8 60.00
~	4 Inch	800	0.73%	223.69	145.40 285.78	65.00%	•	467,000	467,001	•	1.163	1.744		33,295	36,600	3,305	8 2 3 3 3
∞ σ	6 Inch Total Water Sold		100.00%	50.954	2.73			•									
2		-															
;	Datasta Cire	٠												396	409	5	3.33%
= \$	Clivate Clis	, ller		3.00	\$ 3.10									4.554	4.706	152	3.33%
7 5		5			6,20									1 620	1.674	¥	3.33%
2 :				9	08.0									2	744	24	3.33%
4	<u> </u>			3 5	12.40									9 6	484	. "	3.33%
5	8 inch			3 5	15.50									3	3	>	
5	10 inch			9 5	18.60												
17	12 Inch			3 5	24 70												
₽	14 Inch			3.5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												٠
6	20 <u>I</u> 20			3.3	30.10												
ጸ		,		, ,	. 0										77	727	3 27%
2	Per Sprinkler Head	Head		ر د د	2 6									14,489	14,803	t	5.4.76
ដ	Per each Private Fire Hydrant	ate Fire Hydr	aut	4.	8.7												
23	Difference between	hveen															7007
24	Bill Count Revenue and	venue and												48,141	49,805	1,664	3.40%
25	General Ledger Revenue	er Revenue					٠.								108,705	,	0.00%
78	Miscellaneous Revenues	Revenues											14	4,394,228	4,535,277	141,049	3.21%
27	Total Revenues	\$8															Ì
28						·	1		17								
2 2	Rate of Return at Present Rates From Cost of Service Study	m at Presen	t Rafas Ers	om Cost of	Service Str	dy (Using A	CC Staff P	Using ACC Staff Plant & Expenses)	12951								
8					!		7 7 708		÷		į.	* ***	10				
8	Meter Size>			5/8° × 3/4°	34			, i	م ا ا	1 c	بر ار م	5.57%	-5.45%				
,		4		12 KKW	%00°C	6 23.24%	_		25.5	20:3	2	:					

(a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses. (b) Percent of Computed Monthly Minimums.

(c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
(d) Percent of "Computed Charge per 1,000 gailons" on Line 12, Page 1.
(e) All construction Water, sales for ressle & non-general metered customers will be billed at highest tier rate, plus monthly minimum.
(1) Monthly Minimum for 5/8 inch Meter multiplied by number of units served.
(1) Monthly Minimum for 5/8 inch Meter multiplied by number of units served.
(2) Tiers for 4, 6, 8 & 10 Commercial inch meters computed as tier from 2 inch Commercial meter divided by 160 gpm multiplied by 500, 1,000, 1,600 & 2,300 gpm, respectively.

Arizona / American Mohave Water Analysis of Revenue by Detailed Cless at Average Usage Test Year Ended December 31, 2001

		(a) Average									
		Number of	Number of Number of		Weighted	Revenues	Sant	Revenues	San	Posterior	Tacana
	Customer	Oustomers	븰	Average	Average	Per Customer	tomer		Ĕ	Police District	No.
9	Classification	*	Ħ	Consumption	Consumption	Present	Proposed	Present	Proposed	Dollar	
9	and/or Meter Cize	12/31/01	12/31/01	Per Customer	Per Unit	Rates	Rates	Rates	Rates	Amount	Amount
3	Docidential E/8 forth	11 933	11.933	7.500	7,500	18.27	17.43	18.27	17.43	(0.04 (4.04)	4.00°
- 6	Residential 1 Inch	8	8	21,141	21,141	88.42	92.65	88.42	92.65	23	4.78%
	Desidential 15 Inch	i		•						,	
	Residential 2 Inch	9	\$	62,308	62,308	120.74	124.82	120.74	124.82	4.09	3.38%
- 14										• !	,
	Desidential Mad family 5/8 Inch	178	578	13.801	4,241	43.78	43.01	13.45	13.21	(0.75)	-1.72%
_	Regioential Muti-telling On Hari	2 8	5 8	99 040	4 797	98 49	97.02	14.27	4.05	(1.47)	-1.49%
	Residential Muti-family 1 Inch	8	707	3	100'\$	900	70.00	40 43	11 23	43.25	11.80%
80	Residential Muti-family 1.5 Inch	4	<u> </u>	7,750	238.	80.00	408.94	2 9	3 5	0	4 8394
<u>a</u>	Residential Mufi-family 2 Inch	108 201	1,641	53,220	3,496	189.71	192.80	12.40	7.00	3 1	20.0
, ,	Decidential Medifamily 4 Inch	8	107	216,583	4,048	731.83	751.37	13.68	40.4	45.81	2.07
2 -	Desidential Muti-family & Inch	· -	757	1,920,929	4,175	7,008.38	7,250.19	11.78	12,05	241.82	3.45%
	Concentration man and a second	•									
N 1	40.01	25	264	11 042	11,942	25.15	22.60	25.15	22.68	(2.55)	-10.14%
,	Klo water Kestdennal Jo II Kai	\$	3	12 504	12 501	26.13	31.96	26.13	31.96	5.83	22.33%
4	Rio Water Kesidential 1 inch	.	-		200	2	08.08	22.50	60.80	37.30	158.74%
10	Rio Water Residential 2 Inch	0	0	1,000	30,11	3	8.6	3	3	}	
6				;			2	27.43	28 57	(98.0)	314%
<u></u>	Commercial 5/8 Inch	378	378	13,691	13,681	27.75	0.02	77. 35	90.04	3 40	A 27%
60	Commercial 1 Inch	8	2 5	28,529	28,529	€.00 00	07.70	1.00	22.60		2 28%
0	Commercial 1.5 Inch	\$	5	85,344	85,344	149.83	146.4	50.94	140.41	7 (3	A 22.20
_	Commencial 2 Inch	163	<u>8</u>	103,576	103,576	181.81	170.41	181.81	170.4	() ()	0.27.0
۲	Commercial 3 Inch	15	ħ	153,110	153,110	285.12	267.32	285.12	267.32	(18.71)	6.44%
8							1	į		č	à
1 8	Commercial Milital Init 5/8 Inch	8	8	25,526	5,822	69.33	71.37	15.81	16.28	3	6.83%
	Commenced Mittel last 4 loch	LC.	22	12,339	2,800	49.86	56.16	11.31	12.74	6.30	12.63%
	Committee Monday Committee of Street	•	LC.	123,250	24.650	218.26	190.77	43.65	38.15	(27.49)	-12.59%
	Confinencial multi-Cust 1.5 times	- 61	3.	128.781	9.263	293.04	283.01	21.41	20.68	(10.03)	-3.42%
3 8	Commercial Multi-Unit 2 intai	9	3								
	April 60 cale of the first	20	72	3.734	3.731	12.69	14.99	12.69	14.99	2.30	18.10%
	Public Authority So literal	i °	; °	27 158	27.158	53.71	50.65	53.71	50.65	(3.06)	-5.70%
_	Public Authority 1 Inch		•	101.10	787 76	R4 R1	85.30	64.61	65.39	0.78	1.20%
_	Public Authority 1.5 Inch	n i	ا ۵	101'17	1000	9	428.07	430 %	136 97	(2.29)	-1.64%
_	Public Authority 2 Inch	37	37	74,826	14,826	138.20	130.87	100.40	1 20 F 73	(24.43)	4 A7%
	Public Authority 3 Inch	_	~	830,167	830,167	1,287.17	1,202,13	1.02.	1,500.13	11/2	%C8 6
_	Dublic Authority 4 Inch	_	•	1,050,083	1,050,083	1,642.64	1,705.42	1,042,04	7,00,42	06.7	3.02/8
_	Public Authority 6 Inch	_	-	1,740,583	1,740,583	2,774.58	3,050.01	2,774,58	3,050.01	2/5.43	8.5A.B
										,	ò
	Drivate Fire 2 Inch	7	7	•	•	9 8 8	3.10	,		2 (8,55,6
	Drivate Fire 4 Inch	8	8	,	•	9.00	8	6.00	6.20	2.5	2000
	District City & Lock	14	7	•	•	800	9.30	8.00	9.30	0.30	6.00.0 6.00.0
8 8		: ▼	. ₹		•	12.00	12.45	1200	12.40	0. 64	3.33%
		•	•	•	•	15.00	15.50	15.00	15.50	0.50	3.33%
3	Private Fire 10 than	- (- 6	•	•	7.84	7.89	7.64	7.89	0.25	3.27%
	Private Fire Hydrant	8	8	•	•		1				
ŭ											
2	Subtotal	13,628	10,596								

<sup>44
45</sup> Actuel Year End Number
46 of Customers:
47
48 (a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.
47

Arizona American - Sun City Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates Page 1

Reio	inder Reve	Reioinder Revenue Requirement	nent		10.666.506			Percent increase over Present Rates	ase over Pre	sent Rates		72.60%					
် ပြ	Duted Reve	Computed Revenues, from Proposed Rates	Proposed R	ates	10,665,755												
			•		•		;	(c)	(c)		5	5	5				
							<u>.</u>	33.00%	87.76	į	6 §	ΒŠ	<u>6</u> §				
				€		Callons	Percent of	<u> </u>		<u> </u>	8 3 F	4	E 1				
		Present	Percent	Computed	Proposed	Included	Monthly		Prag.	Break-	- C	<u> </u>	Three	Present	Proposed	Dollar	Percent
2	_	Minimums	Sales	Minimums	Minimums	Minimum	Minimums	Point	Point	Point	Rate	Rate	Rate	Revenue	Revenue	Change	Change
-	Residential Rates:	al Rates:			ı												
~~	5/8 Inch	\$ 5.00	41.73%	\$ 17.21	\$ 11.19	0	65.02%	000'9	27,000	27,001	0.778 \$	0.778	1.334	2,673,198	4,563,520	1,890,322	70.71%
ന	3/4 Inch	5.00	0.03%	21.64	14.07	0	65.02%	9'000	27,000	27,001	0.778	0.778	1.334	1,817	3,462	1,645	90.53%
4	<u>-</u>	13.00	1.18%		19.82	0	65.00%	9,000	27,000	27.001	0.778	0.778	1.334	66,902	114,892	47,990	71.73%
10	1 1/2 inch		25.13%		34.21	0	65.00%	9,000	27,000	27,001	0.778	0.778	1.334	1,486,167	2,543,351	1,057,184	71.13%
ဖ	2 inch		10.14%		51,48	0	65.00%	6,000	27,000	27,001	0.778	0.778	1.334	638,283	1,106,719	468,436	73.39%
~	3 Inch	70.00	0.25%	141.19	91.77	0	65.00%	6,000	27,000	27,001	0.778	0.778	1.334	13,103	25,683	12,580	96.01%
æ	4 <u>Inch</u>	103.00	0.00%	229.74	149.33	0	65.00%	9,000	27,000	27,001	0.778	0.778	1.334			• •	
Ø	6 Inch	141.00	0.07%	451.14	293.24	0	65.00%	9'000	27,000	27,001	0.778	0.778	1.334	6,383	13,244	6,860	107.47%
5	8 Inch			774.15	503.20	0	65.00%	6,000	27,000	27,001	0.778	0.778	1.334 4				
F																	
54	Computed	Computed Charge per 1,000 gallons of Wate \$1.112000	1,000 gallo	ins of Wate	\$1.112000												
ದ																	
7	Tier 1 Pre	Tier 1 Present Rate		\$ 0.73													
\$	Tier 2 Pre	Tier 2 Present Rate		\$ 0.92				<u> </u>									
9								80.00%	1		į	;					
17						Gallons	Percent of	Ter	⊢ Je		70% 70%	120%					
8			Percent	Computed	Proposed	Included	Computed		I'wo		Tier	Tier				:	
9			of Water	Monthly	Monthly	드	Monthly	Break-	Break-		one O	Ø,		Present	Proposed	Collar	Percent
೪	Commercial Rates:	ial Rates:	Sales	Minimums	Minimums	Minimum	Minimums	Point	Point	,	Rate	Rate		Revenue	Kevenue	Change	Change
2	5/8 Inch	\$ 5.00	0.36%	\$ 17.21	\$ 11.19	0	65.02%	19,000	19,001	•,	5 0.778 \$	1.334		26,361	710,46	009'17	104.91%
ដ	3/4 Inch	2.00	0.05%	21.64	14.07	0	65.02%	30,000	30,001		0.778	1.334		3,156	450,0	3,877	722.84%
ន	<u>구</u>		0.73%	30.49	19.82	0	65.00%	000'69	69,001		0.778	334		48,540	900'6/	30,455	52.75%
24	1 1/2 inch		2.18%	52.63	34.21	0	65.00%	000'69	69,001		0.778	1.334		151,756	120,321	70,40	50.75
22	2 Inch	41.00	4.84%	79.20	51.48	0	65.00%	137,000	137,001		0.778	45.		285,530	462,127	180,011	01.03%
8	3 12 12	70.00	1.23%	141.19	91.77	0	65.00%	226,000	100,622		0.778	455.		24.00	100,400	13,300	74 4597
27	4 Inch	103.00	1.55%	229.74	149.33	0	65.00%	993,000	993,001		0.778	1.334		70,077	123,100	00,10	6,04.1
88	6 Inch	141.00	4.52%	451.14	293.24	0	65.00%	2,296,500	2,296,501		0.778	1.334		203,846	358,126	154,280	75.06%
53	8 Inch (1)			774.15	•	0	0.00%	3,674,400	3,674,401								
ဓ္က											;						
3	Impation Rates:	Zates:								,	%0Z	120%		Ş		7	7000
32	1 inch	\$ 13.00		\$ 30.49	\$ 19.82	0		5,286,000	5,286,001		6 0.778 \$	1.334		339	810	200	52.00%
88	1.5 Inch	28.00	1.95%	52.63	34.21	0		5,286,000	5,286,001		0.778	1.334		98,005	168,488	70,482	%78.17
첧	2 Inch	41.00	0.19%	79.20	51.48	0		5,286,000	5,286,001		0.778	1.334		5,563	11,024	5,462	98.18%
સ	3 Inch	70.00	0.01%	141.19	91.77	0		5,286,000	5,286,001		0.778	3 \$		1,045	1,522	477	45.65%
8	6 Inch	141.00	3.73%	451.14	293.24	0		5,286,000	5,286,001		0.778	1.334		197,300	534,579	337,279	170.95%
37	(a) Compt	ited Monthly	Minimums	are from Co	st of Service	Study in R	ebuttal Phas	(a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses	ACC Staff's	Plant and E	xpenses.						

(a) Percent of computed monthly minimums are from Cost of Service Study in resource, mind 1950, 2001 of their and Expenses.
(b) Percent of computed monthly minimum
(c) Ters set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
(d) Percent of "Computed Charge per 1,000 gallons" on Line 12.
(e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.
(1) Ther for 8 Inch Commercial Meter computed as tier from 6 Inch Meter divided by 1,000 gpm, multiplied by 1,600-gpm. 288444

Rate Schedule Summary	Three Tier Rates	Page 2
Arizona American - Sun City	Test Year Ended December 31, 2001	Proposed Rates

Proposed Double Proposed						Tler	Tier		%0Z	120%				
Folial Poliat Rate Rate Revenue Revenue Change Change 1,048,000 1,048,001 0,778 1,334 19 51 32 1 1,048,000 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001 1,048,001			Proposed			Prest.	Iwo Break			jer Iwo	Present	Proposed	Dollar	Percent
1,048,000 1,048,001 6 0,778 1,334 19 51 32 1 1,048,000 1,048,001 0,778 1,334 19 51 32 1 1,048,000 1,048,001 0,778 1,334 19 51 32 1 2,540 10,692 4,752 7,350 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,320 1,321 1,321 8.43% 8,43% 9,87% -2.65% 3,42% -6.75%			Minimums			Point	Point		Rate	Rate	Revenue	Revenue	Change	Change
### 1,048,000 1,048,001	•				•		700	•	220	700	•	c		
1,048,000 1,048,001 0.776 1,534 772 130 58 5,940 10,692 4,752 7,360 13,230 5,880 2,400 4,320 1,920 2,400 4,320 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,9		.14%	2870		_	,048,000	1,048,001	^	0 0	+ CC-1	, \$, <u>r</u>	S	166 RO%
## 2		%00.	2870			048,000	1,048,001		0.778	455.F	<u>n</u>	5	,	3
sing ACC Staff Plant & Expanses) 1112" 2" 3" 4" 6" 8" 1112" 2" 3" 4" 6" 8" 1112" 2" 3" 4" 6" 8" 1112" 2" 8.43% 9.97% -2.65% 3.42% -6.75%											ţ	***	a u	78UU U8
sing ACC Staff Plant & Expenses) 11/2" 2" 3" 4" 6" 8" 11/2" 2" 3" 4" 6" 8" 11/2" 2" 3" 4" 6" 8" 11/2" 2" 3" 4" 6" 8" 11/2" 2" 8.43% 9.97% -2.65% 3.42% -6.75%	6.00 6.00		\$ 10.80								7, 0	10 60	4 752	80.00 70.00
sing ACC Staff Plant & Expenses) 1.1/2" 2" 3" 4" 6" 8" 1.1/2" 2" 3" 4" 6" 8" 1.1/2" 2" 3" 4" 6" 8" 1.1/2" 2" 3" 4" 6" 8" 1.1/2" 2" 3" 4" 6" 8" 1.1/2" 2" 3" 4" 6" 8"	9.00		16.20								0	10,092	7,4	80.00
2,646 4,763 2,117 113,419 113,419 113,22 4,486,392 4,11,21 2. 3. 4. 5. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	12.50		22.50								96, 4	13,230	900	90.00
2,646 4,763 2,117 113,419 113,419 1112, 2, 4,486,392 1,112, 2, 3, 4, 6, 8, 8, 8, 11,21% 8,43% 9,97% -2,65% 3,42% -6,75%	20.00		36.00								2,400	4,320	1,360	8
### 11.72" 2" 4" 6" 8" 8" 8.43% 9.97% -2.65% 3.42% -6.75%	30.00		24.00								2 6 4 6	A 763	2 117	80 00 80 00
sing ACC Staff Plant & Expenses) 1.112" 2" 4" 6" 8" 1.112" 2" 3" 4" 6" 8" 1.1121 8.43% 9.97% -2.65% 3.42% -6.75%	3.50		6.30								443,440	443 440	; ;	%00.0
sing ACC Staff Plant & Expenses) 1.112" 2" 3" 4" 6" 8" * 11.21% 8.43% 9.97% -2.65% 3.42% -6.75%	Revenues		•								6 470 563	40 RRE 788	4 486 302	72 60%
aing ACC Staff Plant & Expenses) 11/2" 2" 4" 6" 11/2" 2" 3" 4" 6" * 11.21% 8.43% 9.97% -2.65% 3.42%											0,1/8,303	001,000,01	4,400,004	200
aing ACC Staff Plant & Expenses) 11/2" 2" 4" 6" 11/2" 2" 3" 4" 6" * 11.21% 8.43% 9.97% -2.65% 3.42%														
sing ACC Staff Plant & Expenses) 1.1/2" 2" 4" 6" 1.1/2" 2" 8-43% 9.97% -2.65% 3.42%														
sing ACC Staff Plant & Expenses) 1.112" 2" 4" 6" 1.1121 2" 8.43% 9.97% -2.65% 3.42%														
aing ACC Staff Plant & Expenses) 1.112" 2" 4" 6" 1.112" 2" 8-43% 9.97% -2.65% 3.42%		%00.												
A 11.21 2" 2" 4" 6" 8" 4" 6" 8" 11.21% 11.21% 8.43% 9.97% -2.65% 3.42%	_		į	;	1									
5/8" x 3/4" 3/4" 1" 1.1/2" 2" 3" 4" 6" 5.3 5.5 5.95% 11.21% 8.43% 9.97% -2.65% 3.42%	at Present J	Rates From Cos	t of Service Str	ody (Using	ACC STAFF	Plant & Exp	(30500							
-3.92% -2.96% 5.95% 11.21% 8.43% 9.97% -2.65% 3.42%		5/8" x 3/4"		뒤	11/2	7.	Ы	#1	tol	&				
	at Present R			5.95%	11.21%	8.43%	8.87%	-2.65%	3.42%	-6.75%				

⁽a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses.
(b) Percent of computed monthly minimum
(c) Tiers set at percent of consolidation factor.
(d) Percent of "Computed Charge per 1,000 gallons" on Line 12, Page 1.
(e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.
(1) Tier for 8 inch Commercial Meter computed as tier from 6 inch Meter divided by 1,000 gpm, multiplied by 1,600 gpm. ****

Arizona American - Sun City

Test Year Ended December 31, 2001 Analysis of Revenue by Detailed Class at Average Usage Rate Schedule Summary **Three Tier Rates** Bill Comparison

		(a)
		Average
		Number o
	Customer	Customer
•	Classification	at

			Average					
		Cushaman	Number of		Des.		Duenaga	i Tagranga
1 2		Customer	Customers			enues		Increase
Line		Classification	at	Average	Present	Proposed	Dollar	Percent
<u>No.</u>		d/or Meter Size	12/31/01	Consumption	Rates	Rates	Amount	Amount
1	5/8 Inch	Residential	19,214	8,361	\$ 11.17	\$ 19.01	7.84	70.13%
2	3/4 Inch	Residential	8	15,869	18.08	31.90	13.82	76.46%
3	1 Inch	Residential	117	38,788	47.17	76.10	28.94	61.35%
4	1.5 Inch	Residential	1,312	73,721	94.30	160.43	66.12	70.12%
5	2 Inch	Residential	425	91,864	123.99	214.02	90.02	72.60%
6	3 Inch	Residential	3	321,194	363.98	713.43	349.45	96.01%
7	4 Inch	Residential	7	-	•	-	-	0.00%
8	6 Inch	Residential	2	137,292	\$ 265.79	\$ 546.73	280.94	105.70%
9	5/8 Inch	Commercial	198	7,054	10.15	20.60	10.45	102.97%
10	3/4 Inch	Commercial	21		•	-		0.00%
11	1 inch	Commercial	126	22,247	31.95	49.50	17.55	54.94%
12	1.5 Inch	Commercial	181	46,341	69.11	96.03	26.92	38.94%
13	2 Inch	Commercial	155	120,339	150.19	212.01	61.82	41.16%
14	3 Inch	Commercial	23	204,111	256.26	364.05	107.79	42.06%
15	4 Inch	Commercial	5	1,190,450	1,196.69	1,869.29	672.59	56.20%
16	6 Inch	Commercial	7	2,486,155	2,426.74	3,736.46	1,309.72	53.97%
17	1 Inch	Irrigation	2	77	13.05	19.92	6.87	52.66%
18	1.5 Inch	Irrigation	117	64,318	13.05	19.92	6.87	52.66%
19	2 Inch	Irrigation	1	613,500	13.05	19.92	6.87	52. 66 %
20	3 Inch	Irrigation	1	27,462	13.05	19.92	6.87	52.66%
21	4 Inch	Irrigation	-	-	-	•	-	0.00%
22	6 Inch	Irrigation	1	10,762,250	7,136.46	18,308.22	######################################	156.54%
23	3 Inch	Public Interruptible	1	491,154	245.58	655.20	409.62	166.80%
24	8 Inch	Public Interruptible	1	3,167	1.58	4.22	2.64	166.80%
25	3 Inch	Fire Protection	1	-	6.00	10.80	4.80	80.00%
26	4 Inch	Fire Protection	54		9.00	16.20	7.20	80.00%
27	6 Inch	Fire Protection	48	-	12.50	22.50	10.00	80.00%
28	8 Inch	Fire Protection	10	-	20.00	36.00	16.00	80.00%
29	10 Inch	Fire Protection	-	-	-	. -	-	0.00%
30	Standby		63	-	3.50	6.30	2.80	80.00%
31				-				÷
32		Totals	22,098	· .				
33								
34		Actual Year End Nu	ımber					
35		of Customers:	22,195					

³⁷ (a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.

Arxona American - Sun City West Water Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates Page 1

Reloi	ider Rever	Reioinder Revenue Reduirement	je Tent		4.540.361		_	Percent Inc	Percent Increase over Present Rates	resent Ra	tes		34.90%				
S	uted Reve	Computed Revenues, from Proposed Rates	pesodo	Rates	4,540,058						٠						
						•		છ	9			5	5				
				3		(b) Percent of	Gellons	33.00% Tler	57.00% Tier	Tler	<u>6</u> 8	E 8	(S)				
		Present	Percent	Compute	Proposed	Computed	Included	a	ă	Three	Ter.	Ťě	Ţe				
Ę		Monthly	of Water	Monthly	Monthly	Monthly	£	Break-	Break-	Break-		Ş	Three	Present	Proposed	Dollar	Percent
2	í	Minimums	Sales	Minimums	Minimums	Minimums	Minimum	Polat	Point	흅	Rate	Rate	Rate	Revenue	Revenue	Increase	Increase
-	Residential Rates:	Rates:															
N	5/8 Inch	\$ 5.00	60.97%	\$ 13.03	\$ 8.47	65.00%	0	4,000	12,000	12,001	\$0.724	\$1.242	\$1.863	2,078,864	2,775,367	696,503	33.50%
m	3/4 Inch	\$ 5.00	0.02%	17.02	11.06	64.98%	0	4,000	12,000	12,001	0.724	1.242	1.863	409	631	22	54.17%
4	<u>5</u>	\$ 13.00	4.04%	25.00	16.25	65.00%	0	4,000	12,000	12,001	0.724	1.242	1.863	40,107	52,435	12,328	30.74%
	1 1/2 Inch	\$ 28.00	15.96%		28.22	65.01%	0	4,000	12,000	12,001	0.724	1.242	1.863	511,337	717,175	205,838	40.25%
	2 Inch	\$ 41.00	4.35%	68.89	44.78	65.00%	0	4,000	12,000	12,001	0.724	1.242	1.863	162,039	221,507	59,468	36.70%
~	3 Inch	\$ 70.00	0.00%	_	81.08	65.00%	0	4,000	12,000	12,001	0.724	1.242	1.863	1			
80	<u> 1</u> - 12	\$ 103.00	5.07%	26.52	132.95	65.00%	0	4,000	12,000	12,001	0.724	1.242	1.863	117,032	194,126	77,094	65.87%
o	6 Inch	\$ 141.00		404.03	262.62	65.00%	0	4,000	12,000	12,001	0.724	1.242	1.863	•			
9	8 Inch	,÷		696.25	452.56	65.00%	0	4,000	12,000	12,001	0.724	1.242	1.863	٠			
F																	
5	2 Somputed C	Computed Charge per 1,000 gallons of Water	O gallons (of Water	\$ 1.03490												
5																	
4	Tier 1 Present Rate	vent Rate		\$ 0.93													
5	Tier 2 Present Rate	sent Rate		\$ 1.12				છ									
16						e		60.00%	!		;						
11				3		Percent of	Gellons	Ţē,	Ter		120%	180%					
\$			Percent	Compute	Proposed	Computed	Included		ZWO		Ē	Ē				:	
19			of Water	Monthly	Monthly	Monthly	£	Break-	Break-		a	ğ		Present	Proposed	Dollar	Percent
8	Commercial Rates:	(Rates:	Sales	Minimums	Minimums	Minimums	Minimum	Point	Polit		Rate	Rate		Revenue	Revenue	Increase	Increase
24	5/8 Inch	\$ 5.00	0.25%	\$ 13.03	\$ 8.47	65.00%	0	13,000	13,001		\$1.242	\$1.863		9,326	14,513	5,188	55.63%
8	3/4 Inch	\$ 5.00	0.00%	17.02	11.06	64.98%	0				1.242	863		•		•	
	1 Inch	\$ 13.00	1.09%	25.00	16.25	65.00%	0		32,001		1.242	1.863		33,715	45,308	11,594	34.39%
	1 1/2 Inch	\$ 28.00	2.29%	44.95	29.22	65.01%	Ö		86,001		1.242	1.863		75,359	94,814	19,455	25.82%
	2 inch	\$ 41.00	6.71%	68.89	44.78	65.00%	•	161,000	161,001		1.242	1.863		214,510	272,899	58,389	27.22%
	3 inch	\$ 70.00	1.68%	124.74	81.08	65.00%	0		626,501		1.242	1.863		47,070	61,339	14,269	30.31%
	4 Inch	\$ 103.00	0.45%	204.54	132.95	65.00%	0		404,001		1.242	1.863		11,618	16,027	4,409	37.95%
	6 Inch	\$ 141.00	0.14%	404.03	262.62	65.00%	0		193,001		1.242	1.863		4,923	7,118	2,195	44.59%
	8 Inch			696.25	452.56	65.00%	0		3,132,501								
30	Totals Water Sales	1	100.00%														
3		l															

<sup>31
32 (</sup>a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses.

33 (b) Percent of Computed Monthly Minimum

34 (c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.

35 (d) Percent of "Computed Charge per 1,000 gallons" on Line 12.

36 (e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.

37 (1) 8 Inch Commercial Meter Tiers computed as 3 Inch tier divided by 320 gpm, multiplied by 1,600 gpm

Arizona American - Sun City West Water Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates Page 2

3 4 inch 30.00 40.50 4 6 inch 45.00 60.75 5 8 inch 60.00 81.00 6 10 inch 120.00 162.00 7 162.00 8 Miscellaneous Revenues 9 Total Revenues 10 11 Rata of Return at Present Rates From Cost of Service Study (Using ACC Staff Plant & Expenses) 12 13 Meter Size -> 56"x 344" 11.22" 2" 4" 5" 8" 14 Rate of Return at Present Rates 1.95% 14.26% 10.77% 27.10% 17.98% 29.79% 55.38% -9.10%,-11.85 15 (a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses.	Present Monthly Minimums General Fire Sorinkler	Proposed Monthly Minimums								Present Revenue	Proposed Revenue	Dollar Increase	Percent Increase
5 8 Inch 60.00 81.00 6 10 Inch 120.00 162.00 7 7 8 Miscellaneous Revenues 9 Total Revenues 10 11 Rate of Return at Present Rates From Cost of Service Study (Usil 12 13 Meter Size -> 555 244 344 12 13 14 Rate of Return at Present Rates 1.95% 14.26% 10.77% 15 (a) Computed Monthly Minimums are from Cost of Service Study in R 16 (a) Computed Monthly Minimums are from Cost of Service Study in R	30.00	40.50				-				4,680 11,880	6,318 16,038	1,638 4,158	35.00% 35.00%
7 8 Miscellaneous Revenues 9 Total Revenues 10 11 Rate of Return at Present Rates From Cost of Service Study (Usir 12 13 Meter Size -> 555 × 342 3/4 12 14 Rate of Return at Present Rates 1.95% 14.26% 10.77% 15 15 (a) Computed Monthly Minimums are from Cost of Service Study in R	60.00	81.00					•			5,040	6,804	1,764	35.00%
10 11 Rate of Return at Present Rates From Coat of Service Study (Usin 12 13 Meter Size -> 50° x 3/4" 2/4" 1" 14 Rate of Return at Present Rates 1.95% 14.26% 10.77% 15 15 (a) Computed Monthly Minimums are from Cost of Service Study in R	neous Revenues		٠.							37,640 3,365,549	37,640 4,540,058	37,640 4,540,058 1,174,510	0.00% 34.90%
13 Meter Size -> 555.x34. 3/4. 1. 14 Rate of Return at Present Rates 1.95% 14.26% 10.77% 15 15 (a) Computed Monthly Minimums are from Cost of Service Study in R	Return at Present Rates From Co	at of Service.	Study (Usli	o ACC Sta	r Plant &	Expenses							
13 (a) Computed Monthly Minimums are from Cost of Service Study in R	at Present Rates	<u>3/4"</u> 14.26%	1. 10.77%	1.10Z 27.10%	Z. 17.98%	3. 29.79%	3. 4. 6. 8. 29.79% 55.38% -9.10%,-11.85%	9.10%.	<u>8"</u> 11.85%				
 (b) Percent of Computed Monthly Minimum (c) Tiers set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor. (d) Percent of "Computed Charge per 1,000 gallons" on Line 12, Page 1. (e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum. (1) 8 inch Commercial Meter Tiers computed as 3 inch tier divided by 320 gpm, multiplied by 1,600 gpm 	uted Monthly Minimums are from (set at percent of consolidation fact ynt of "Computed Charge per 1,000 nstruction Water, sales for resale at An Commercial Meter Tiers compute	Cost of Service or. Percent an gallons" on Lil is non-general is od as 3 inch tie	Study in R rount abow ne 12, Page netered cus	ebuttal Phae of this columi of 1.	se, which u n is percen be billed at nuttiplied by	sed ACC St t of consolic highest tier y 1,600 gpm	aff's Plant alation factor rate, plus	and Exper r. monthly n	nses. ninimum.				

Arizona American - Sun City West Water

Test Year Ended December 31, 2001 Analysis of Revenue by Detailed Class at Average Usage Rate Schedule Summary Three Tier Rates Bill Comparison

			(a)					
			Average					
			Number of					
		Customer	<u>Customers</u>		Reve	nues	Proposed	<u>Increase</u>
Line		Classification	at	Average	Present	Proposed	Dollar	Percent
No.	<u>an</u>	d/or Meter Size	12/31/01	Consumption	<u>Rates</u>	Rates	<u>Amount</u>	Amount
1	5/8 Inch	Residential	14,463	7,171	\$ 11.67	\$ 15.30	3.64	31.15%
2	3/4 Inch	Residential	1	27,333	34.09	52.46	18.36	53.87%
3	1 Inch	Residential	115	15,429	28.76	35.47	6.71	23.33%
4	1.5 Inch	Residential	460	59,042	92.61	129.69	37.08	40.04%
5	2 Inch	Residential	134	55,342	101.46	138.36	36.90	36.36%
6	3 Inch	Residential	-	-	-	-	-	0.00%
7	4 Inch	Residential	1	8,617,167	9,752.71	16,177.21	6,424.50	65.87%
8	5/8 Inch	Commercial	73	5,736	10.33	15.59	5.26	50.89%
9	3/4 Inch	Commercial	-	-	-	•	•.	0.00%
10	1 Inch	Commercial	66	28,108	42.96	51.16	8.20	19.09%
11	1.5 Inch	Commercial	69	56,383	89.63	99.25	9.62	10.73%
12	2 Inch	Commercial	117	97,766	148.98	166.21	17.23	11.56%
13	3 Inch	Commercial	15	185,076	275.76	310.94	35.18	12.76%
14	4 Inch	Commercial	1	773,833	968.17	1,323.72	355.54	36.72%
15	6 Inch	Commercial	1	241,750	410.24	593.15	182.91	44.59%
16		Construction						
17	4 Inch	Fire Protection	12	-	8.00	11.94	3.94	49.25%
18	6 Inch	Fire Protection	22	-	30.00	44.78	14.78	49.27%
19	8 Inch	Fire Protection	7	-	45.00	67.18	22.18	49.29%
20	10 Inch	Fire Protection			120.00	179.14	59.14	49.28%
21		Totals	15,555					
22								
23		Actual Year End N	lumber					
24		of Customers:	15,581					
25	•			:				

26 (a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.

27

Test Year Ended December 31, 2001 Arizona American - Tubac Proposed Rates

Rate Schedule Summary Three Tier Rates Page 1

Rejoin	der Revei	Rejoinder Revenue Requirement	ement		436,436		<u></u>	Percent Increase over Present Rates	ase over Pre	sent Rates	_	71.95%					
₫ 6000	uted Reve	anues, from	Computed Revenues, from Proposed Rates	ates	436,401												
								<u> </u>	<u> </u>								
						<u> </u>		33.00%	%00. 29		9	<u> </u>	ਉ				
				(8)		Percent of	Gallons	Tier	Tier	Tier	70%	120%	180%				
Line		Present	Percent	Computed	Proposed	Computed	Included		Iwo	Three	Ţ.	Tier	Tier				
쉳		Rates	of Water	Monthly	Monthly	Monthly	٤	Break-	Break-	Break-	Oue	Iwo	Three	Present	Proposed	Dollar	Percent
4 CX1	Residential Rates:	d Rates:	Sales	Minimums	Minimums	Minimums	Minimum	Point	Point	Point	Rate	Rate	Rate	Revenue	Revenue	Increase	Change
7	5/8 Inch	\$ 15.35	78.79%	\$ 43.77	\$ 28.45	65.00%	0	6,000	17,000	17,001	\$ 1.664	\$ 2.853	\$ 4.280	193,116	319,125	126,009	65.25%
es es	3/4 Inch	\$ 15.35	4.16%	59.04	38.38	65.01%	0	6,000	17,000	17,001	1.664	2.853	4.280				
4	1 Inch	\$ 23.00	0.60%	89.59	58.23	65.00%	0	6,000	17,000	17,001	1.664	2.853	4.280	11,709	23,166	11,457	97.85%
ro L	1 1/2 Inch	\$ 46.00	0.48%	165.95	107.87	65.00%	0	6,000	17,000	17,001	1.664	2.853	4.280	1.50	2,994	1,493	99.46%
9	2 Inch	\$ 76.00	0.06%		167.43	65.00%	0	000'9	17,000	17,001	1.664	2.853	4.280	1,671	3,302	1,631	97.57%
7	3 Inch	\$ 90.00	0.00%	471.41	306.42	65.00%	0	6,000	17,000	17,001	1.664	2.853	4.280	1,255	4,133	2,879	229.42%
& 4	4 Inch	\$ 132.00		776.86	504.96	65.00%	0	6,000	17,000	17,001	1.664	2.853	4.280				
<u>တ</u>	6 Inch	\$ 180.00		1,540.51	1,001.33	65.00%	0	000'9	17,000	17,001	1.664	2.853	4.280				
10 8	8 Inch	¥		2,557.43	1,662.33	65.00%	0	000'9	17,000	17,001	1.664	2.853	4.280				
£					•				i	•							
12 G	omputed C	hame per 1.	Computed Charge per 1,000 gallons of Water	of Water	\$ 2.3775												
		•															
	ler 1 Pre	Tier 1 Present Rate		\$ 1.66													
15 T	ler 2 Pre	Tier 2 Present Rate		\$ 2.04				9									
						(9		70.00%			9	Э					
17				(a)		Percent of	Gallons	Tier	Tier		120%	180%					
6			Percent	Computed	Proposed	Computed	Inchided	One	Two		Į.	Tier					
<u>6</u>				Monthly		Monthly	5	Break.	Break.		į 6	. F					
_	Commercial Rates	al Rafae.			-	Minimume	Minimum	trica	Doin		3 46	200					
	5/8 Inch	\$ 15.35	7.18%	\$ 43.77		65.00%	C	11,000	11 001	-	2853	4 280		20 704	38 431	17 637	84 82%
	3/4 inch	\$ 15,35		•	38.38	65.01%	0			-	2.853	4.280			2		
23	1 inch	\$ 23.00		89.59	58.23	65.00%	0	32,000	32,001		2.853	4.280		7,323	15,035	7,712	105.32%
24	1/2 Inch	\$ 46.00	4.74%	165.95	107.87	65.00%	0	37,000	37,001		2.853	4.280		2,753	5,211	2,458	89.29%
25	2 Inch	\$ 76.00	0.17%	257.59	167.43	65.00%	0	115,500	115,501		2.853	4.280		9,544	18,066	8,522	89.30%
	3 Inch	\$ 90.00		471.41	306.42	65.00%	0	27,500	27,501		2.853	4.280		1,609	4,547	2,939	182.69%
27 4	4 inch (1)	\$ 132.00		776.86	504.96	65.00%	0	360,938	360,938		2.853	4.280					
_	6 Inch (1)	\$ 180.00		1,540.51	1,001.33	65.00%	0	721,875	721,875		2.853	4.280					
	8 Inch (1)	¥		2,557.43	1,662.33	65.00%	0	1,155,000	1,155,000								
	Iscellane	Miscellaneous Revenues	Ser										i	2,691	2,691		0.00%
સ પ્	Total Revenues	Senu											1	253,964	436,701	182,736	71.95%
32				,									H				
33 T	Totals Water Sales	er Sales	100.00%		á.												
76		•															

⁽a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staffs Plant and Expenses.

⁽b) Percent of Computed Monthly Minimums. 488888

⁽c) There set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.
(d) Percent of "Computed Charge per 1,000 gallons" on Line 12.
(e) All water sales for construction, resale, and non-general meters customers will be billed at highest tier plus monthly minimum.
(1) Tiers for 4, 6 & 8 Commercial Inch meters computed as tier from 2 Inch Commercial meter divided by 160 gpm multiplied by 500, 1,000 & 1,600 gpm, respectively...

Arizona American - Tubac Test Year Ended December 31, 2001 Proposed Rates

Rate Schedule Summary Three Tier Rates

Ę.

Rate of Return at Present Rates From Cost of Service Study (Using ACC Staff Plant & Expenses)

4 Meter Size -> 5/8" x 3/4 3/4" 5 Rate of Return at Present Rates: 2.04% 0.00

1 3/4" 1" 1.1/2" 6 0.00% -0.40% 2.67%

2" 3" 6.73% 4.06%

~ S

(a) Computed Monthly Minimums are from Cost of Service Study in Rebuttal Phase, which used ACC Staff's Plant and Expenses.

12 (b) Percent of Computed Monthly Minimums.

(c) There set at percent of consolidation factor. Percent amount above this column is percent of consolidation factor.

(d) Percent of "Computed Charge per 1,000 gallons" on Line 12, Page 1.

(e) All construction Water, sales for resale & non-general metered customers will be billed at highest tier rate, plus monthly minimum.

(1) Tiers for 4, 6 & 8 Commercial Inch meters computed as tier from 2 inch Commercial meter divided by 160 gpm multiplied by 500, 1,000 & 1,600 gpm, respectively...

Arizona American - Tubac

Analysis of Revenue by Detailed Class at Average Usage Test Year Ended December 31, 2001 Rate Schedule Summary Three Tier Rates Bill Comparison

(a)
Average
Number of

			Number of	Number of						
		Customer	<u>Customers</u>		Rever			<u>s</u>	Proposed	<u>Increase</u>
Line		Classification	at	Average	Present		Proposed		Dollar	Percent
<u>No.</u>	<u>an</u>	d/or Meter Size	12/31/01	Consumption		Rates		Rates	Amount	<u>Amount</u>
1	5/8 Inch	Residential	401	13,177	\$	39.19	\$	58.91	19.72	50.31%
2	1 Inch	Residential	18	15,301		51.17		94.75	43.58	85.15%
3	1.5 Inch	Residential	1	40,250		125.07		248.75	123.68	98.89%
4	2 Inch	Residential	1	32,500		139.26		275.14	135.88	97.57%
5	3 Inch	Residential	1	-		-		-	-	0.00%
6										
7	5/8 Inch	Commercial	53	9,090		30.85		54.38	23.53	76.26%
8	1 Inch	Commercial	10	19,172		59.07		112.93	53.86	91.17%
9	1.5 Inch	Commercial	2	35,167		114.70		208.20	93.50	81.52%
10	2 Inch	Commercial	2	159,167		397.66		683.84	286.18	71.97%
11	3 Inch	Commercial	1	22,833		133.54		371.56	238.02	178.24%
12			•	•						
13		Totals	490							
14				1						
15	Actual Year End		Number							
16		of Customers:	494							
17				ı						

18 (a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.